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(12) **United States Patent**
Agenet

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(54) **TRACERS FOR THE STUDY OF AN OIL RESERVOIR IN HIGH SALINITY AND HIGH TEMPERATURE CONDITIONS**

(58) **Field of Classification Search**
CPC C09K 8/035; E21B 49/00; E21B 49/08
See application file for complete search history.

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(*) Notice: Subject to any disclaimer, the term of this patent is extended or adjusted under 35 U.S.C. 154(b) by 0 days.

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(2) Date: **Jun. 12, 2015**

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(30) **Foreign Application Priority Data**

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(57) **ABSTRACT**

(51) **Int. Cl.**

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E21B 49/08 (2006.01)

C09K 8/035 (2006.01)

G01N 33/24 (2006.01)

The invention relates to the use of a compound of the general formula (I), wherein A represents an alkanediyl radical having 2 to 4 carbon atoms, which may be substituted by one or more methyl and/or ethyl groups, and either R represents a linear or branched C₁ to C₄ alkyl group and R' represents a hydrogen atom, or R and R' are linked together to form a cycle, and the —R—R'— radical represents —CO—, as a tracer for use in a Single-Well Chemical Tracer Test, to determine the Residual Oil Saturation in oil reservoirs.

(52) **U.S. Cl.**

CPC **E21B 49/08** (2013.01); **C09K 8/035** (2013.01); **E21B 49/00** (2013.01)

8 Claims, No Drawings